



+N/-S
0.0

+E/-W
0.0

Northing
1603428.90

Well Name: PA 514-4

Surface Location: GV 80-4 Pad

North American Datum 1983 , US State Plane 1983 , Colorado Central Zone

Ground Elevation: 5586.0

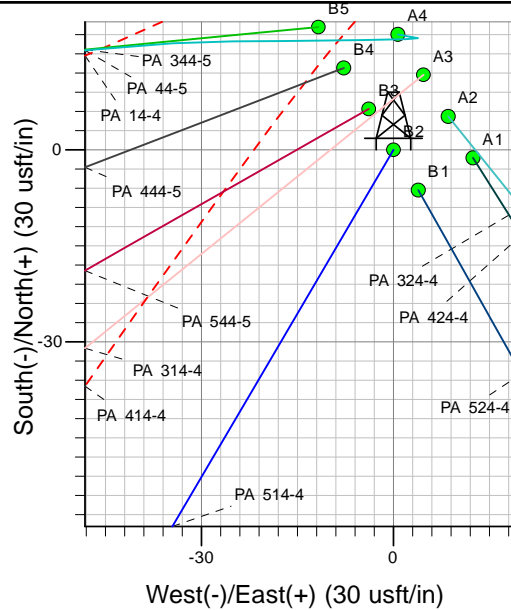
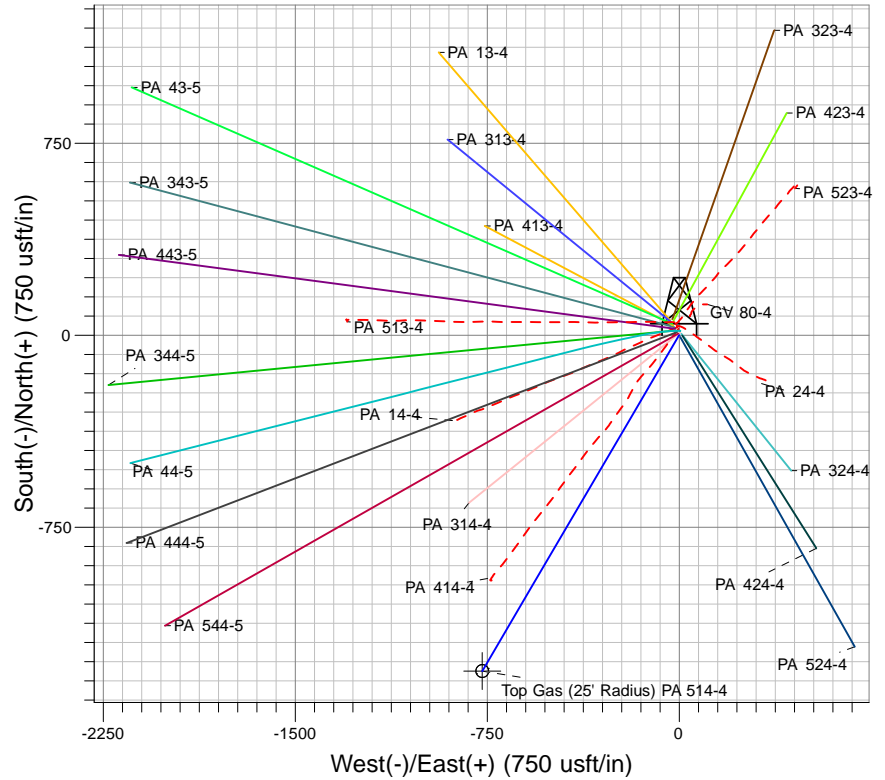
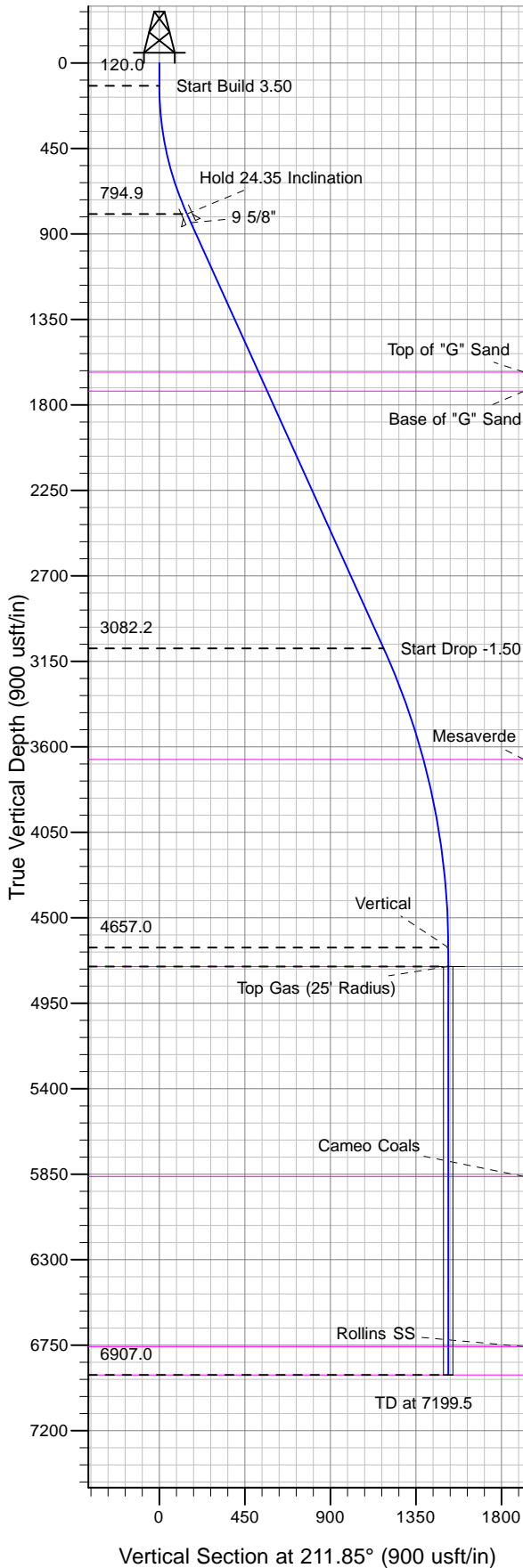
Easting
2292333.50

Latitude
39° 27' 48.159 N

Longitude
108° 0' 24.586 W

Slot
B2

KELLY BUSHING @ 5612.0usft (Nabors SSD (26' RKB) kjs)



Project: PA 04-07S-095W
Site: GV 80-4 Pad
Well: PA 514-4
Plan #3 10Aug10 kjs



Azimuths to True North
Magnetic North: 10.80°
Magnetic Field
Strength: 52618.2snT
Dip Angle: 65.82°
Date: 11/7/2007
Model: IGRF2005-10

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	VSec	Departure	Annotation
120.0	120.0	0.00	0.00	0.0	0.0	0.0	0.0	Start Build 3.50
794.9	815.7	24.35	210.39	-125.6	-73.7	145.6	145.6	Hold 24.35 Inclination
3082.2	3326.2	24.35	210.39	-1018.4	-597.4	1180.3	1180.7	Start Drop -1.50
4657.0	4949.5	0.00	0.00	-1311.5	-769.2	1519.9	1520.4	Vertical
4757.0	5049.5	0.00	0.00	-1311.5	-769.2	1519.9	1520.4	Top Gas
6907.0	7199.5	0.00	0.00	-1311.5	-769.2	1519.9	1520.4	TD at 7199.5